



Home > IP Services > PatentScope > Patent Search



Search result: 1 of 1

(WO/2003/011967) CURABLE COMPOSITION, CURED ARTICLE OBTAINED THEREFROM, AND PHOTOCHROMIC OPTICAL MATERIAL AND PROCESS FOR PRODUCING THE SAME

Biblio. Data Description Claims National Phase Notices Documents

Latest bibliographic data on file with the International Bureau

Publication Number: WO/2003/011967 **International Application No.:** PCT/JP2002/002921
Publication Date: 13.02.2003 **International Filing Date:** 26.03.2002
Chapter 2 Demand Filed: 18.11.2002

Int. Class.: C08F 220/36 (2006.01), C08F 230/08 (2006.01), C08G 18/81 (2006.01), C09D 4/00 (2006.01), G02B 5/23 (2006.01)

Applicants: TOKUYAMA CORPORATION [JP/JP]; 1-1, Mikage-cho, Shunan-shi, Yamaguchi 745-0053 (JP) (All Except US).
MOMODA, Junji [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi 745-0053 (JP) (US Only).
MORI, Katsuhiro [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi 745-0053 (JP) (US Only).

Inventors: MOMODA, Junji [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi 745-0053 (JP).
MORI, Katsuhiro [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi 745-0053 (JP).

Agent: OHSHIMA, Masataka; Ohshima Patent Office, Fukuya Bldg., 3, Yotsuya 4-chome, Shinjuku-ku, Tokyo 160-0004 (JP).

Priority Data: 2001-227374 27.07.2001 JP
2001-284521 19.09.2001 JP

Title: CURABLE COMPOSITION, CURED ARTICLE OBTAINED THEREFROM, AND PHOTOCHROMIC OPTICAL MATERIAL AND PROCESS FOR PRODUCING THE SAME

Abstract: A useful curable composition giving a coating which has high adhesion to the substrate and to a hard coating layer and which has highly excellent photochromic properties, i.e., a high developed-color density, a high fading rate, and excellent durability. The composition comprises (1) 100 parts by weight of one or more radical-polymerizable monomers comprising a silyl monomer such as a γ-methacryloyloxypropyltrimethoxysilane and/or an isocyanate monomer such as a 2-isocyanatoethoxymethacrylate, (2) 0.01 to 20 parts by weight of an amine compound, and (3) 0.01 to 2 parts by weight of a photochromic compound. Applying this composition as a coating material to a resinous substrate gives a photochromic optical material which has excellent adhesion between the photochromic coating layer and the substrate.

Designated States: AU, BR, CA, CN, IL, JP, KR, SG, US, ZA.
European Patent Office (EPO) (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SI, TR).

Publication Language: Japanese (JA)

Filing Language: Japanese (JA)

(12)特許協力条約に基づいて公開された国際出願

(19)世界知的所有権機関
国際事務局



(43)国際公開日
2003年2月13日 (13.02.2003)

PCT

(10)国際公開番号
WO 03/011967 A1

(51)国際特許分類⁷: C08L 43/04, 39/00, C08K 5/00, G02B 5/23

(21)国際出願番号: PCT/JP02/02921

(22)国際出願日: 2002年3月26日 (26.03.2002)

(25)国際出願の言語: 日本語

(26)国際公開の言語: 日本語

(30)優先権データ:
特願2001-227374 2001年7月27日 (27.07.2001) JP
特願2001-284521 2001年9月19日 (19.09.2001) JP

(71)出願人(米国を除く全ての指定国について): 株式会社トクヤマ (TOKUYAMA CORPORATION) [JP/JP]; 〒745-0053 山口県徳山市御影町1番1号 Yamaguchi (JP).

(72)発明者; および

(75)発明者/出願人(米国についてのみ): 百田潤二 (MODA,Junji) [JP/JP]; 〒745-0053 山口県徳山市御影

町1番1号 株式会社トクヤマ内 Yamaguchi (JP). 森力宏 (MORI,Katsuhiro) [JP/JP]; 〒745-0053 山口県徳山市御影町1番1号 株式会社トクヤマ内 Yamaguchi (JP).

(74)代理人: 大島正孝 (OHSHIMA,Masataka); 〒160-0004 東京都新宿区四谷四丁目3番地 福屋ビル 大島特許事務所 Tokyo (JP).

(81)指定国(国内): AU, BR, CA, CN, IL, JP, KR, SG, US, ZA.

(84)指定国(広域): ヨーロッパ特許(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

添付公開書類:
— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイドスノート」を参照。



(54)Title: CURABLE COMPOSITION, CURED ARTICLE OBTAINED THEREFROM, AND PHOTOCHROMIC OPTICAL MATERIAL AND PROCESS FOR PRODUCING THE SAME

A1

(54)発明の名称: 硬化性組成物、その硬化体並びにフォトクロミック光学材料とその製造法

WO 03/011967 A1

(57)Abstract: A useful curable composition giving a coating which has high adhesion to the substrate and to a hard coat layer and which has highly excellent photochromic properties, i.e., a high developed-color density, a high fading rate, and excellent durability. The composition comprises (1) 100 parts by weight of one or more radical-polymerizable monomers comprising a silyl monomer such as γ -methacryloyloxypropyltrimethoxysilane and/or an isocyanate monomer such as a 2-isocyanatoethoxymethacrylate, (2) 0.01 to 20 parts by weight of an amine compound, and (3) 0.01 to 20 parts by weight of a photochromic compound. Applying this composition as a coating material to a resinous substrate gives a photochromic optical material which has excellent adhesion between the photochromic coating layer and the substrate.

[続葉有]